

SILICONE RELEASE COATING COMPOSITIONS

- [0001] This application is a divisional of U.S. Patent  
5 Application No. 09/614,471, filed July 11, 2000, now abandoned.  
[0002] This invention relates to a novel branched  
siloxane and also to silicone based release coating  
compositions and release modifier compositions containing  
the aforementioned branched siloxane.  
10 [0003] Silicone based release coatings are useful in  
applications where relatively non-adhesive surfaces are  
required. Single sided liners, for example, backing papers  
for pressure sensitive adhesive labels, are usually adapted  
to temporarily retain the labels without affecting the  
15 adhesive properties of the labels. Double sided liners for  
example, interleaving papers for double sided and transfer  
tapes, are utilised to ensure the protection and desired  
unwind characteristics of a double sided self-adhesive tape  
or adhesive film.  
20 [0004] A substrate, for example a single sided liner, is  
coated by applying a silicone based release coating  
composition onto the substrate and subsequently curing the  
composition, by, for example, thermally initiated  
hydrosilylation.  
25 [0005] The basic constituents of silicone based release  
coating compositions which are cured by hydrosilylation  
are:-  
1) an alkenylated polydiorganosiloxane, typically a linear  
polymer with terminal alkenyl groups,  
30 2) a polyorganohydrogensiloxane cross-linking agent,  
designed to cross-link the alkenylated polydiorganosiloxane  
and

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